WHAT IS CLAIMED IS:

1. An image sensing apparatus comprising:

a plurality of pixels;

a first calculating portion which creates correction data by performing computation using signals which are acquired by image sensing in an unexposed state and smaller in number than said plurality of pixels; and

a second calculating portion which corrects image data of said plurality of pixels, acquired by image sensing in an exposed state, by using the correction data.

2. The apparatus according to claim 1, wherein said first calculating portion changes the number of signals to be used for creation of correction data in accordance with a sensitivity condition set at the time of image sensing.

3. The apparatus according to claim 1, wherein in that said plurality of pixels are arrayed in the horizontal direction and the vertical direction, and said first calculating portion creates the correction data by vertically mixing signals from pixels which are smaller in number than said plurality of pixels and arrayed in the horizontal direction and the vertical direction.

4. The apparatus according to claim 3, further comprising an amplifier for each array of pixels

arrayed in the vertical direction, wherein said first calculating portion creates the correction data by vertically mixing signals from pixels, which are smaller in number than said plurality of pixels and arrayed in the horizontal direction and the vertical direction, through the corresponding amplifiers.

5. The apparatus according to claim 1, wherein said first calculating portion operates in accordance with ON operation of a power switch of the image sensing apparatus.

6. A control method for an image sensing apparatus having a plurality of pixels, comprising:

a first calculating step which creates correction data by performing computation using signals which are acquired by image sensing in an unexposed state and smaller in number than said plurality of pixels; and

a second calculating step which corrects image data of said plurality of pixels, acquired by image sensing in an exposed state, by using the correction data.

7. A control program for causing a computer to realize a control method defined in claim 6.

8. A storage medium storing a control program for causing a computer to realize a control method defined in claim 6.